

Anti-Interferon regulatory factor 4 IRF4 Antibody

Catalog Number: A00401

About IRF4

Interferons (IFNs) are involved in a multitude of immune interactions during viral infections and play a major role in both the induction and regulation of innate and adaptive antiviral mechanisms. During infection, host-virus interactions signal downstream molecules such as transcription factors such as IFN regulatory factor-3 (IRF3) which can act to stimulate transcription of IFN-alpha/beta genes. Another member, IRF7 has been shown to play a role in the transcriptional activation of virus-inducible cellular genes, including interferon beta chain genes. IRF4 expression is tightly regulated in resting primary T cells and plays an essential role in the homeostasis and function of mature lymphocytes. IRF4 is induced by Toll-like receptor (TLR) activation and acts as a negative regulator of TLR signaling.

Overview

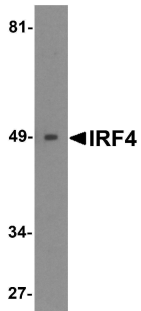
Product Name	Anti-Interferon regulatory factor 4 IRF4 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Interferon regulatory factor 4 IRF4 Antibody (Catalog # A00401). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	IRF4 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	IRF4 antibody can be stored at 4 °C, stable for one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q15306

Technical Details

Immunogen	IRF4 antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human IRF4. The immunogen is located within the last 50 amino acids of IRF4.
Predicted Reactive Species	Bovine, Pig, Rat
Cross Reactivity	IRF4 antibody is predicted to not cross-react with other IRF protein family members. IRF4 often migrates at a higher than predicted molecular weight in SDS-PAGE.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	IRF4 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	IRF4 antibody can be used for detection of IRF4 by Western blot at 0.5 ug/mL. Antibody can also be used for immunocytochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

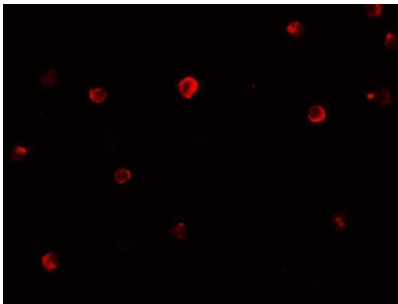
Anti-Interferon regulatory factor 4 IRF4 Antibody (A00401) Images



Western blot analysis of IRF4 in Ramos cell lysate with IRF4 antibody at 0.5 ug/mL.



Immunocytochemistry of IRF4 in Jurkat cells with IRF4 antibody at 10 ug/mL.



Immunofluorescence of IRF4 in Jurkat cells with IRF4 antibody at 20 ug/mL.

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